

### **AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all prior versions and listings of claims in the application.

1           1.       (Currently Amended) An apparatus for providing a graphical user  
2 interface (GUI) comprising:  
3               logic configured to execute GUI generation code and GUI user interaction  
4 handling code; and  
5               a display device in communication with said logic, wherein when said logic  
6 executes the GUI generation code, a first window is displayed on the display device,  
7 said first window presenting at least one option that enables a user to open a file  
8 comprising execution results resulting from execution of a machine control sequence  
9 configured to move data storage media to and from a media interface a first panel  
10 configured to present a sequence of commands and a second panel configured to  
11 present one or more available commands for adding commands to a presently  
12 displayed sequence, wherein when said file is opened, a second window is displayed  
13 on said display device, said second window displaying at least a summary of said  
14 execution results comprised in said file.

1           2.       (Currently Amended) The apparatus of claim 1, wherein said first and  
2 second windows are displayed on the display device as active portions within a third  
3 window such that said first and second windows panels are simultaneously and fully  
4 viewable by a user.

1           3.       (Currently Amended) The apparatus of claim 1, wherein said summary  
2 includes information summarizing an entire run of said machine control sequence  
3 comprises a representation of at least one device, said run corresponding to one or  
4 more iterations of said machine control sequence.

1           4.       (Currently Amended) The apparatus of claim 1, wherein said  
2 machine control sequence has at least one step associated therewith, said at least one  
3 step having at least one device associated therewith, said at least one device having  
4 has at least one command associated therewith.

1           5.       (Currently Amended) The apparatus of claim ~~3~~ 4, wherein said ~~second~~  
2 ~~window displays, in addition to said summary, detailed information describing each~~  
3 ~~command executed during~~ at least one command further comprises an argument of  
4 ~~said iterations.~~

1           6.       (Currently Amended) The apparatus of claim ~~5~~ 40, wherein said  
2 ~~detailed information~~ fourth panel includes a start time and an end time associated with  
3 execution of each command executed ~~during said at least one of said iterations.~~

1           7.       (Currently Amended) The apparatus of claim ~~5~~ 40, wherein said  
2 ~~detailed information~~ fourth panel includes information defining the an iteration  
3 associated with ~~the a~~ displayed command.

1           8.       (Currently Amended) The apparatus of claim ~~5~~ 40, wherein said  
2 ~~detailed information~~ fourth panel includes a step associated with the displayed  
3 command.

1           9.       (Currently Amended) The apparatus of claim ~~5~~ 40, wherein said  
2 ~~detailed information~~ fourth panel includes a device associated with the displayed  
3 command.

1           10.      (Currently Amended) The apparatus of claim ~~5~~ 40, wherein said  
2 ~~detailed information~~ fourth panel includes information indicating whether or not the  
3 displayed command was successfully executed.

1           11.      (Currently Amended) The apparatus of claim ~~4~~ 40, wherein said  
2 ~~second window~~ fourth panel displays a unique iteration number identifier for each of  
3 ~~said one or more iterations, each of said iteration number identifiers uniquely~~  
4 identifying a particular iteration of said ~~machine-control~~ sequence, and wherein when  
5 a user selects one of said unique iteration number identifiers, detailed information  
6 describing each command executed during the iteration associated with the selected  
7 iteration number identifier is displayed on said display device.

1           12.     (Currently Amended) The apparatus of claim 11, wherein said detailed  
2 information ~~includes~~ comprises:  
3           a start time and an end time associated with execution of each command that  
4 was executed during the iteration associated with the selected iteration number  
5 identifier;  
6           information identifying the iteration associated with the displayed command;  
7           a step associated with the displayed command;  
8           a device associated with the displayed command; and  
9           information indicating whether ~~or not~~ the displayed command was  
10 successfully executed.

1           13.     (Original) The apparatus of claim 1, wherein the GUI generation code  
2 and the GUI user interaction handling code are written in an object-oriented, platform-  
3 independent language.

1           14.     (Currently Amended) A method for enabling a user to generate a  
2 ~~analyze machine control sequence execution results~~, the method comprising:  
3           presenting at least one option that enables a user to open a panel; and  
4           displaying a ~~graphical user interface (GUI), the displayed GUI having a first~~  
5 window responsive to selection of the at least one option, the first window presenting  
6 at least one ~~option that enables a user to open a panel~~ file comprising machine control  
7 ~~sequence execution results resulting from execution of a machine control sequence~~  
8 ~~configured to move data storage media to and from a media interface~~ present a  
9 sequence in a first portion of the panel with a set of one or more available commands  
10 for inserting into a presently displayed sequence in a second portion of the panel; and  
11           ~~upon detecting a selection of said at least one option by the user, displaying a~~  
12 ~~second window, said second window displaying at least a summary of said execution~~  
13 ~~results comprised in said file.~~

1           15.     (Currently Amended) The method of claim 14, wherein said first and  
2     second ~~windows are displayed as active portions within a third window such that said~~  
3     ~~first and second windows~~ portions are capable of being simultaneously and fully  
4     viewable by a user.

1           16.     (Currently Amended) The method of claim 14, wherein said ~~summary~~  
2     ~~includes information summarizing an entire run of said machine control~~ sequence  
3     comprises a representation of at least one device, said run corresponding to one or  
4     ~~more iterations of said machine control sequence.~~

1           17.     (Currently Amended) The method of claim ~~14~~ 16, wherein said  
2     ~~machine control sequence has at least one step associated therewith, said at least one~~  
3     ~~step having at least one device associated therewith, said at least one device having~~  
4     has at least one command associated therewith.

1           18.     (Currently Amended) The method of claim ~~14~~ 17, wherein said ~~second~~  
2     ~~window displays, in addition to said summary, detailed information describing each~~  
3     ~~command executed during at least one~~ command further comprises an argument of  
4     ~~said iterations.~~

1           19.     (Currently Amended) The method of current claim ~~18~~ 14, further  
2     comprising:  
3             presenting at least one option that enables a user to open a second panel  
4     comprising wherein said detailed information includes a start time and an end time  
5     associated with execution of each command ~~that was executed during the iteration~~  
6     ~~associated with the selected iteration number identifier~~ of the sequence.

1           20.     (Currently Amended) The method of claim ~~18~~ 19, wherein said  
2     ~~detailed information includes~~ second panel comprises information identifying each an  
3     iteration associated with the a displayed command.

1           21.     (Currently Amended) The method of claim ~~18~~ 19, wherein said  
2 ~~detailed information includes:~~ second panel comprises information identifying each  
3 step associated with the displayed command; and information identifying each device  
4 associated with ~~the~~ a displayed command.

1           22.     (Currently Amended) The method of claim ~~18~~ 19, wherein said  
2 ~~detailed information includes:~~ second panel comprises information indicating whether  
3 ~~or not the~~ a displayed command was successfully executed.

1           23.     (Currently Amended) A computer program for generating a graphical  
2 user interface (GUI), the program being stored on a computer-readable medium, the  
3 program comprising:  
4           a first code segment, the first code segment generating a graphical user  
5 interface (GUI) ~~and causing the GUI to be displayed on a display device, the displayed~~  
6 ~~GUI having a first window, the first window presenting at least one option that~~  
7 ~~enables a user to open a file panel comprising machine control a sequence execution~~  
8 ~~results resulting from execution of a machine control sequence configured to move~~  
9 ~~data storage media to and from a media interface together with a list of one or more~~  
10 available commands suitable for adding to the sequence; and  
11           a second code segment configured to enable a user to select a command from  
12 the list of commands; and  
13           a ~~second~~ third code segment, the ~~second~~ third code segment configured to  
14 determine ~~whether~~ when a selection of said ~~at least one option~~ a position within the  
15 sequence has been made by ~~the~~ a user, wherein upon determining that the user has  
16 selected said at least one ~~option~~ position within the sequence, the third code segment  
17 inserts a select command from the list of commands in said sequence displaying on  
18 ~~said display device a second window, said second window displaying at least a~~  
19 ~~summary of said execution results comprised in said file on said display device.~~

1           24.     (Currently Amended) The computer program of claim 23, wherein  
2 said ~~summary includes information summarizing an entire run of said machine control~~  
3 ~~sequence, said run corresponding to one or more iterations of said machine control~~  
4 sequence comprises a representation of at least one device.

1           25.     (Currently Amended) The computer program of claim ~~23~~ 24, wherein  
2     said ~~machine control sequence has at least one step associated therewith, said at least~~  
3     ~~one step having at least one device associated therewith, said at least one device~~  
4     ~~having~~ has at least one command associated therewith.

1           26.     (Currently Amended) The computer program of claim ~~24~~ 25, wherein  
2     said ~~second window displays, in addition to said summary, detailed information~~  
3     ~~describing each command executed during at least one~~ command further comprises an  
4     argument of said iterations.

1           27.     (Currently Amended) The computer program of claim ~~26~~ 23, further  
2     comprising:  
3             a fourth code segment configured to present a panel comprising wherein said  
4     ~~detailed information includes~~ a start time and an end time associated with execution of  
5     each command ~~that was executed during the iteration associated with the selected~~  
6     ~~iteration number identifier~~ of the sequence.

1           28.     (Currently Amended) The computer program of claim ~~26~~ 27, wherein  
2     said ~~detailed information includes~~ panel comprises information identifying each an  
3     iteration associated with the a displayed command.

1           29.     (Currently Amended) The computer program of claim ~~26~~ 27, wherein  
2     said ~~detailed information includes~~ panel comprises information identifying a step  
3     associated with the a displayed command; and information identifying a device  
4     associated with the displayed command.

1           30.     (Currently Amended) The computer program of claim ~~26~~ 27, wherein  
2     said ~~detailed information includes~~ panel comprises information indicating whether ~~or~~  
3     ~~not the~~ a displayed command was successfully executed.

1           31.     (Currently Amended) An apparatus, comprising:  
2           a processor configured to execute logic configured to generate a graphical user  
3 interface (GUI), logic configured to interact with at least one human to machine  
4 interface, and logic configured to generate commands applied to control systems  
5 within one or more remote devices; and  
6           a display device in communication with said processor, wherein when said  
7 processor executes the logic configured to generate the GUI, a first window is  
8 displayed on the display device, said first window presenting at least one option that  
9 enables a user to open a file panel comprising both a ~~machine control~~ sequence in a  
10 first portion of the panel and a list of one or more commands in a second portion of  
11 the panel ~~configured to move data storage media to and from a media interface~~.

1           32.     (Currently Amended) The apparatus of claim 31, wherein said first  
2 window presents an option, the selection of which executes the ~~machine control~~  
3 sequence.

1           33.     (Currently Amended) The apparatus of claim 32, wherein when said  
2 ~~file is opened~~ option is selected, ~~a second window is displayed on said display device,~~  
3 ~~said second window~~ the panel displays data resulting from the execution of the ~~machine~~  
4 ~~control~~ sequence.

1           34.     (Currently Amended) The apparatus of claim ~~32~~ 33, wherein ~~the~~ data  
2 resulting from the execution of the ~~machine control~~ sequence comprises a summary of  
3 information from the one or more remote devices.

1           35.     (Previously Presented) The apparatus of claim 34, wherein the one or  
2 more remote devices comprise devices configured to house and manipulate data storage  
3 media.

1           36-38. (Canceled)

1           39.   (New) The apparatus of claim 1, wherein the window further  
2 comprises a third panel configured to communicate with a device identified by the  
3 sequence.

1           40.   (New) The apparatus of claim 39, wherein the window further  
2 comprises a fourth panel configured to execute the sequence.